

# Product Datasheet

## GFP Antibody - BSA Free NBP2-50034

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-50034**

GFP Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	5mM Sodium Azide
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
<b>Target Molecular Weight</b>	27 kDa

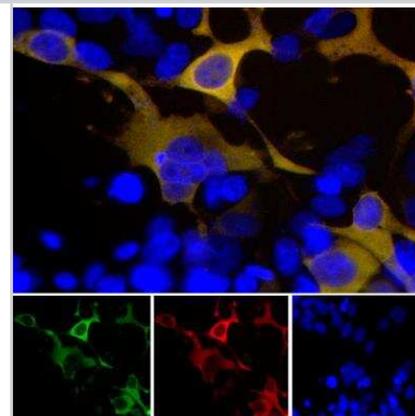
Product Description	
<b>Description</b>	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
<b>Host</b>	Chicken
<b>Species</b>	Non-species specific
<b>Immunogen</b>	This GFP antibody was developed against recombinant Green Fluorescent Protein (GFP)
<b>Notes</b>	Chicken products cannot be exported to Canada.

Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000 - 1:5000, Immunohistochemistry 1:1000 - 1:5000, Immunocytochemistry/ Immunofluorescence 1:1000 - 1:5000

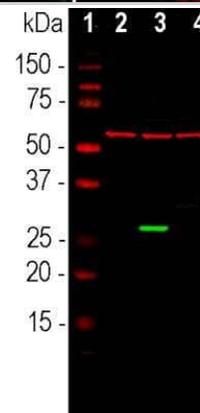


## Images

Immunocytochemistry/Immunofluorescence: GFP Antibody [NBP2-50034] - Analysis of transfected HEK293 cells with a GFP-construct, in green, and stained with chicken pAb to GFP, NBP2-50034, dilution 1:1,000, in red. The blue is DAPI staining of nuclear DNA. NBP2-50034 antibody reveals GFP protein expressed only in transfected cells, and as a result these cells appear golden yellow in color.



GFP Antibody [NBP2-50034] - Analysis of HEK293 cell lysates using goat pAb to GFP, dilution 1:1,000 (Green): [1] protein standard, [2] non-transfected control cells, [3] cells transfected with a GFP construct and [4] cells transfected with an mCherry construct. Strong band at ~27kDa corresponds to GFP protein detected only in cells transfected with GFP construct. This antibody does not recognize the mCherry protein. The blot was simultaneously probed with chicken pAb to HSP60, dilution 1:10,000 (Red). The single band at 60kDa represents HSP60 protein expressed in all preparations.



## Publications

Noah J. Gurley, Rachel A. Szymanski, Robert H. Downen, T. Amber Butcher, Noboru Ishiyama, Mark Peifer, Giovanni Messina Exploring the evolution and function of Canoe's intrinsically disordered region in linking cell-cell junctions to the cytoskeleton during embryonic morphogenesis PLOS ONE 2023-08-03 [PMID: 37535684]

Gurley NJ, Szymanski RA, Downen RH et al. Exploring the evolution and function of Canoe's intrinsically disordered region in linking cell-cell junctions to the cytoskeleton during embryonic morphogenesis bioRxiv : the preprint server for biology 2023-03-06 [PMID: 36945496]



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### **Products Related to NBP2-50034**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NB100-56401PEP	GFP Antibody Blocking Peptide

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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